

CHAPTER 235 INTRODUCTION TO AVIONICS

1. GENERAL. Avionics inspectors have the primary responsibility for airworthiness program functions that involve avionics equipment and systems. The duties listed below are functions that require the specific expertise and experience related to the avionics specialty.

A. The primary avionics duties, responsibilities, and functions, based on the applicable Air Transport Association (ATA) chapter coding system, include the evaluation/monitoring/inspection of the following equipment and systems:

- (1) Autopilots
- (2) Communications
- (3) Electrical power
- (4) Instruments
- (5) Lights
- (6) Navigation
- (7) Engine indicating

B. The secondary avionics duties, responsibilities, and functions, based on the applicable ATA chapter coding system, includes the evaluation/monitoring/inspection of the following equipment and systems:

- (1) Fire protection/detection
- (2) Flight control logic system - indicating
- (3) Fuel/Fuel system - indicating
- (4) Ice and rain protection: Pitot - static, Antennas - radome, Detection
- (5) Landing gear: Position and warning, Anti skid - electronics,
- (6) Airborne aux power indicating
- (7) Door warnings
- (8) Rotors indicating
- (9) Powerplant electrical harness
- (10) Engine fuel and control indicating
- (11) Ignition electrical power supply
- (12) Air indicating
- (13) Oil indicating

